

(5)

L1 ANSWER 1 OF 1 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN  
AN 1981-91746D [50] WPIDS  
TI Electron beam welder preventing oxidn. of weld - has nozzle for shielding  
gas behind the electron beam nozzle.  
DC M23 P55  
PA (TOKE) TOKYO SHIBAURA ELECTRIC CO  
CYC 1  
PI JP 56139293 A 19811030 (198150)\* 3p <--  
PRAI JP 1980-40248 19800331  
IC B23K015-00  
AB JP 56139293 A UPAB: 19930915  
An electron beam welder, in which an electron beam is directed on the work  
placed in gaseous envelope at atmospheric pressure, includes a nozzle for  
shielding gas behind the electron beam nozzle, as seen in the direction of  
the movement of the work. Argon, helium or other inert gas is fed through  
the path to the nozzle. The nozzle may be provided with steel wool to  
achieve a uniform flow of the gas.  
Oxidn. of weld can be prevented. EBW can be applied by the present  
welder to stainless steel and aluminium which is prone to oxidn.  
FS CPI GMPI  
FA AB  
MC CPI: M23-D04